



Control Number: 50594



Item Number: 106

Addendum StartPage: 0

**Public Utility Commission of Texas****Five-Year Report****Required by 16 Texas Admin. Code § 25.97(e)**

RECEIVED

2021 APR 30 AM 9:34

PUBLIC UTILITY COMMISSION
FILING CLERK**PROJECT NO.** 50594**AFFECTED ENTITY:** AEP Texas Inc.**General Information**

Pursuant to 16 Texas Admin. Code § 25.97(e)(1), not later than May 1 every five years, each affected entity that owns or operates overhead transmission facilities greater than 60 kilovolts must submit this report. The first report must be submitted not later than May 1, 2020.

Instructions

Answer all questions, fill-in all blanks, and have the report notarized in the Affidavit.

Affidavit

A representative of the affected entity must swear to and affirm the truthfulness, correctness, and completeness of the information provided by attaching a signed and notarized copy of the Affidavit provided with this form.

Filing Instructions

Submit four copies (an original and three copies) of the completed form and signed and notarized Affidavit to:

Central Records Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
Telephone: (512) 936-7180

106

Affected Entity: AEP Texas Inc.PROJECT NO. 50594**1. Historical five-year reporting period:** 1/1/2015 - 12/31/2019

What percentage of overhead transmission facilities greater than 60 kilovolts did you inspect for compliance with the National Electric Safety Code (NESC) relating to vertical clearance in the historical five-year reporting period?

In order to verify compliance with the requirements of the Commission's rule and HB 4150, AEP Service Corporation (AEPSC) on behalf of AEP Texas is performing a LiDAR inspection of all transmission lines greater than 60kv in Texas to ensure that each line has been designed and constructed in accordance to NESC requirements. Performing LiDAR is necessary in order to survey the system and to create a modern and an accurate record in which to assess compliance. To be proactive, AEPSC began aerial LiDAR inspections in 2019.

While not for purposes of complying with this new rule, annual routine visual inspections of 100% of the transmission system are conducted for public safety reasons. Routine line inspections are conducted to observe and report on the physical condition of transmission lines and their right of way. Line inspections reveal the condition of any line components that may be near the end of their useful life, which may present potential danger to the public or company personnel, or which may pose an immediate threat of circuit interruption. As such, the routine inspection procedures would identify visually apparent safety conditions where appropriate clearances may not have been maintained between the conductor and the ground or an object.

Affected Entity: AEP Texas Inc.PROJECT NO. 50594**2. Future five-year reporting period: 1/1/2020 - 12/31/2024**

What percentage of overhead transmission facilities greater than 60 kilovolts do you anticipate you will inspect for compliance with the NESC relating to vertical clearance during the future five-year reporting period beginning on January 1 of the year in which this report is submitted?

AEPSC anticipates completing LiDAR for 100% of AEP Texas' applicable lines over the 2020-2024 reporting period. This engineering grade survey will provide comprehensive analysis capabilities to ensure the physically constructed transmission line's vertical clearances comply with NESC requirements.

The LiDAR is in addition to the annual routine inspections.

Affected Entity: AEP Texas Inc.PROJECT NO. 50594**AFFIDAVIT**

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

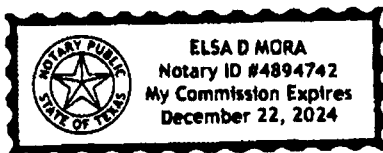
Judith E Talavera
Signature

Judith E. Talavera
Printed Name

President & COO - Texas
Job Title

AEP Texas Inc.
Name of Affected Entity

Sworn and subscribed before me this 28 day of April, 2021
Month Year



Elsa D Mora
Notary Public in and For the State of Texas

My commission expires on 12/22/2024